

Appl. No. : 09/768,031  
Filed : January 23, 2001

### AMENDMENTS TO THE CLAIMS

1.-29. (Canceled)

30. (Currently amended) The catheter system of Claim ~~[[29]]~~42, wherein the first treatment catheter is a therapy catheter.

31. (Currently amended) The catheter system of Claim ~~[[29]]~~42, wherein the second treatment catheter is a therapy catheter.

32. (Currently amended) The catheter system of Claim ~~[[29]]~~42, wherein the second treatment catheter is an aspiration catheter.

33. (Previously presented) The catheter system of Claim 30, wherein the second treatment catheter is an aspiration catheter.

34. (Currently amended) The catheter system of Claim ~~[[29]]~~42, further comprising a third treatment catheter having a proximal end and a distal end and a lumen extending therethrough, wherein the third treatment catheter is adapted to be delivered over and then removed from the guidewire following removal of the first treatment catheter and prior to delivery of the second treatment catheter.

35. (Previously presented) The catheter system of Claim 34, wherein the first treatment catheter has a dilatation balloon of a first diameter on its distal end, the third treatment catheter has a dilatation balloon of a second diameter on its distal end, the second diameter being larger than the first diameter, and the second treatment catheter is an aspiration catheter.

36. (Currently amended) The catheter system of Claim ~~[[29]]~~42, wherein the guidewire includes a lumen extending therethrough.

37.-38. (Canceled)

39. (Currently amended) ~~The catheter system of Claim 29~~ A catheter system for emboli containment, comprising:

a guidewire having a proximal end and a distal end;

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an occlusive device connected to the distal end of the guidewire, the occlusive device being actuatable between an expanded state in which the occlusive device engages at least a portion of the walls of a blood vessel, and a nonexpanded state in which the occlusive device does not engage the walls of the blood vessel;

a first treatment catheter having a proximal end and a distal end and a lumen extending therethrough; and

a second treatment catheter having a proximal end and a distal end and a lumen extending therethrough;

wherein the first treatment catheter is adapted to be delivered over and then removed from the guidewire, and the second treatment catheter is adapted to be delivered over and then removed from the guidewire following removal of the first treatment catheter, and wherein the occlusive device is capable of maintaining its expanded state while the first treatment catheter is removed from the guidewire and while the second treatment catheter is delivered over the guidewire;

wherein the occlusive device is a self-expanding sealing member.

40. (Previously presented) The catheter system of Claim 39, further comprising a sleeve provided over the self-expanding sealing member, wherein removal of the sleeve actuates the self-expanding sealing member.

41. (Currently amended) ~~The catheter system of any of Claims 36~~ A catheter system for emboli containment, comprising:

a guidewire having a proximal end, a distal end, and a lumen extending therethrough;

an occlusive device connected to the distal end of the guidewire, the occlusive device being actuatable between an expanded state in which the occlusive device engages at least a portion of the walls of a blood vessel, and a nonexpanded state in which the occlusive device does not engage the walls of the blood vessel;

a first treatment catheter having a proximal end and a distal end and a lumen extending therethrough; and

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a second treatment catheter having a proximal end and a distal end and a lumen extending therethrough;

wherein the first treatment catheter is adapted to be delivered over and then removed from the guidewire, and the second treatment catheter is adapted to be delivered over and then removed from the guidewire following removal of the first treatment catheter, and wherein the occlusive device is capable of maintaining its expanded state while the first treatment catheter is removed from the guidewire and while the second treatment catheter is delivered over the guidewire;

wherein the occlusive device is actuated by a pull wire extending through the lumen of the guidewire.

42. (Previously presented) The catheter system of Claim 41, wherein the occlusive device is a filter.

43.-50. (Canceled)

51. (Currently amended) ~~The catheter system of Claim 43-~~ A catheter system for emboli containment, comprising:

a guidewire having a proximal end and a distal end;

an occlusive device connected to the distal end of the guidewire, the occlusive device being actuatable between an expanded state in which the occlusive device engages at least a portion of the walls of a blood vessel, and a nonexpanded state in which the occlusive device does not engage the walls of the blood vessel; and

a catheter having a proximal end and a distal end and a lumen extending therethrough, the catheter being adapted to be delivered over and removed from the guidewire;

wherein the occlusive device is capable of maintaining its expanded state while the catheter is either advanced over or removed from the guidewire;

wherein the occlusive device is a self-expanding sealing member.

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52. (Previously presented) The catheter system of Claim 51, further comprising a sleeve provided over the self-expanding sealing member, wherein removal of the sleeve actuates the self-expanding sealing member.

53. (Currently amended) ~~The catheter system of Claim 48~~ A catheter system for emboli containment, comprising:

a guidewire having a proximal end, a distal end, and a lumen extending therethrough;

an occlusive device connected to the distal end of the guidewire, the occlusive device being actuatable between an expanded state in which the occlusive device engages at least a portion of the walls of a blood vessel, and a nonexpanded state in which the occlusive device does not engage the walls of the blood vessel; and

a catheter having a proximal end and a distal end and a lumen extending therethrough, the catheter being adapted to be delivered over and removed from the guidewire;

wherein the occlusive device is capable of maintaining its expanded state while the catheter is either advanced over or removed from the guidewire;

wherein the occlusive device is actuated by a pull wire extending through the lumen of the guidewire.

54. (Previously presented) The catheter system of Claim 53, wherein the occlusive device is a filter.